

In the Specification:

Please **replace** the paragraph at **page 4, lines 2 to 3**, with a replacement paragraph amended as follows:

The accompanying ~~single Figure~~ Fig. 1 shows a block diagram of an apparatus for performing the present ~~method.~~ method, and Fig. 2 shows an alternative embodiment of a pump of such an apparatus.

Please **replace** the paragraph at **page 4, lines 6 to 22**, with a replacement paragraph amended as follows:

The block diagram of Fig. 1 shows the important components that are installed, for example in a toilet or lavatory of a commercial passenger ~~aircraft.~~ aircraft indicated schematically at A. The components include an apparatus for treating and reusing gray water for the flushing of a toilet. A faucet 1 is installed for supplying fresh water into a lavatory basin 2. The faucet receives fresh water from a source 18 through a fresh water conduit 18A. The faucet 1 is controllable either manually or automatically by a faucet control 1A. A heater 1B provides hot water to the faucet. The faucet discharges fresh water through an outlet 1C into the lavatory basin 2. An easily exchangeable coarse filter 3 is installed in the outlet of the basin 2 to feed coarsely filtered gray water through a further fine filter 4 that is also easily cleaned or exchanged. The fine filter is preferably installed in a gray water treatment chamber 5 so that the fine filter 4 is

externally accessible for maintenance. Contaminations and any coloring agents are removed from the gray water and remain in the fine filter 4.

Please **replace** the paragraph at **page 5, lines 3 to 11**, with a replacement paragraph amended as follows:

The treatment chamber 5 in which the gray water is collected, is equipped with an overflow 6 that leads into a gray water collecting conduit 19. The excess gray water taken up by the overflow 6 is either used in a tank cleaning system for cleaning ~~[[of]]~~ a wastewater collecting tank 20B, not shown, but including a gray water collecting chamber, tank or container 19A located near the wastewater collecting tank 20B, a pressure increasing pump and at least one spray nozzle. nozzle (not shown). Alternatively, any excess processed water can be fed to a discharge or drainage mast for discharge outside the aircraft body.

Please **replace** the paragraph at **page 6, lines 6 to 24**, with a replacement paragraph amended as follows:

The flushing of a toilet bowl 11 is initiated by a flushing or rinsing button 14 that also delivers its signal to the central processing unit 7 for starting a motor M that drives a pump 8 for increasing the pressure of the water coming from the tank 5 through a conduit 8A. The pressure is increased until an excess pressure valve 13, operable by the central control unit 7 through a solenoid 13A, opens, to supply flushing water through the nozzles 12

into the toilet bowl 11 for rinsing the toilet bowl. The control unit 7 provides a time interval following the operation of the button 14. At the end of this time interval the motor M is switched off again. Simultaneously, the central control unit 7 energizes a vacuum toilet flushing system or suction device 10 also for a defined time interval, whereby any blackwater containing feces or the like is sucked into the vacuum wastewater system 20 which is equipped with a separate wastewater conduit 20A. According to the invention the fresh water supply conduit 18A, the gray water collecting conduit 19 and the wastewater conduit 20A are entirely separate from each other. In other words, there is no direct connection between these conduits 18A, 19 and 20A.

Please **replace** the paragraph at **page 6 line 25 to page 7 line 5**, with a replacement paragraph amended as follows:

The control, closed loop control, and monitoring of the above described replenishing operation, pumping operation, and flushing operation and the power supply to the pump, valves and vacuum flushing system 10 is performed by the central control unit 7 which in turn communicates with other system components in the aircraft through a so-called ~~CANBUS~~, CANBUS 17, also referred to as a communication area network.

Please **add** a new paragraph at **page 7, above line 6**, as follows:

As described herein, water is replenished into the processing tank 5 from the faucet 1 through the lavatory basin 2. This can be carried out in different ways, for example as follows. The water replenishment may involve detecting at least one filling level in the processing tank 5 as a minimum filling level with the sensor LIS22, producing a control signal as a minimum level control signal from the sensor LIS22 for controlling the fresh water supply faucet 1 of the lavatory basin 2 for replenishing water in the processing tank 5 to a medium filling level from the fresh water supply faucet 1. Alternatively the water replenishment may involve sensing a plurality of filling levels including a high filling level with the sensor LIS21 and a low filling level with the sensor LIS22 in the processing tank 5 to produce respective high filling level and low filling level control signals for controlling the fresh water supply through the faucet 1 and the lavatory basin 2 so that a larger fresh water volume is supplied into the processing tank 5 through the faucet 1 and lavatory basin 2 in response to the low filling level signal and a smaller fresh water volume is supplied into the processing tank 5 through the faucet 1 and lavatory basin 2 in response to the high filling level control signal. Also, the water discharge or withdrawal from the processing tank 5 may involve sensing a plurality of filling levels including a maximum filling level with the sensor LIS21 and a minimum filling level

with the sensor LIS22 in the processing tank 5 to produce respective higher and lower filling level control signals for controlling the withdrawal of processed water from the processing tank 5 so that more processed water is withdrawn from the processing tank 5 in response to the higher filling level control signal and less processed water is withdrawn from the processing tank 5 in response to the lower filling level control signal.

Please **replace** the paragraph at **page 7, lines 6 to 11**, with a replacement paragraph amended as follows:

Instead of using a rotary pump, the pump 8 could be a piston cylinder pump ~~not shown~~. 80 shown schematically in Fig. 2. In such a pump 80 a sensor 83 monitors and detects ~~would monitor~~ the end position of the piston 81 in the cylinder 82 to provide a control signal ~~through~~ indicating to the control unit 7 that the processed water in the cylinder 82 has been discharged. Thereupon the control unit 7 controls the driving of ~~to drive~~ the piston 81 back into a starting position thereby sucking a next dosed volume of treated water into the cylinder 82 for the next toilet flushing.

Please **replace** the paragraph at **page 8, lines 16 to 21**, with a replacement paragraph amended as follows:

The control of all toilet facilities and their respective components takes place by a single control unit 7. The connection to other aircraft systems is possible through

the above mentioned simple so-called ~~[[CANBUS]]~~ CANBUS 17, which is available in the aircraft anyway and thus no further efforts and expenses are necessary for an individual wiring system.

[RESPONSE CONTINUES ON NEXT PAGE]